

**In the drawings:**

Please amend the drawings as indicated on the enclosed Request for Drawing Change. No new matter has been added in the drawings

**In the specification:**

**Please amend paragraph 14 as follows:**

[14] The signal ***Sm*** is sent to the ~~non-inverting~~ inverting input of a PWM comparator **5** whereas the signal ***Srs*** across the resistance ***Rs*** is provided to the non-inverting input. If the signals ***Srs*** and ***Sm*** are the same, the comparator **5** sends a signal to a control block **6** that pilots the transistor ***M***, which in this case switches it off. In this way the output signal ***Sm*** of the multiplier determines the peak current of the transistor ***M*** and this is then enveloped by a rectified sinusoidal current. A filter at the stage input eliminates the switching frequency component so that the current absorbed by the network has the form of the sinusoidal envelope.